

ABSTRACT OF THE DISCLOSURE

The present invention discloses a preferred method for operating a adaptive clutch system of the type used in a motor vehicle power transfer assembly by employing a dithered control signal. One aspect of the present invention superimposes a dithering signal onto a control signal by nulling consecutive blocks of control signal pulses. Another aspect of the present invention provides a method for generating a dithered control signal by providing a wave function with which to systematically vary a duty cycle of the dithered control signal. A method for varying the output force of a clutch actuator assembly in response to the dithered control signal is also provided.